

ABSTRACT

The invention relates to pumping engineering, mainly to well pumping devices for extracting oil from wells. The inventive method consists in assembling from the bottom upward an input cone provided with a shank, a packer and a jet pump and in running said assembly with the aid of a tubing string into a well. Afterwards, a receiver transformer of physical fields is also run into said well, background measurements of temperature and other physical fields are carried out, a formation is drained and the work of the individual interlayer of a productive strata is evaluated. An ultrasonic action is performed on the productive strata. The hydrodynamic action being performed on the productive strata during said operation, the entire formation is exposed to the combined action of ultrasonic oscillations and a hydrodynamic effect. Afterwards, the unit for ultrasonic effect is pulled out from the well to the surface. The hydrodynamic and geophysical investigations of the well being carried out using the jet pump and replaceable functional inserts, the assembly and the jet pump are pulled out from the well to the surface and the well is prepared in order to be put into operation. The invention makes it possible to optimise the dimensions of various elements of the device, thereby increasing the operating reliability and performance of the well jet device during the treatment of the productive strata.